

1. (Amended) A method for providing location service information related to a mobile station in a mobile communications system supporting connections of a first type and a second type, the method comprising:

receiving a request from a requesting entity;

retrieving the location service information related to the mobile station; and

providing a response to the request;

wherein the retrieving further comprises:

determining a preferred type of connection for the retrieving based on the first set of predetermined criteria; and

performing, in the retrieving step, at least a first attempt via the preferred type of connection.

2. (Amended) The method of claim 1, wherein the first set of predetermined criteria is determined by checking whether the mobile station currently has an active connection via at least one type of connection.

3. (Amended) The method of claim 2, wherein the checking is based on examining the request.

4. (Amended) The method of claim 1, wherein if the first attempt results in a failure, a second set of predetermined criteria is determined based on a reason for the failure, and the retrieving comprises performing a second attempt via remaining types of connection in response to fulfillment of the second set of predetermined criteria.

5. (Amended) The method of claim 4, wherein the second set of predetermined criteria is fulfilled if:

the first attempt fails but the reason for the failure is not "service not allowed"; and

the second attempt via the remaining type of connection has not been unsuccessfully performed earlier.

6. (Amended) The method of claim 1, wherein the first type of connection is circuit-switched and the second type of connection is packet-switched.

7. (Amended) The method of claim 6, wherein if the mobile station is having an ongoing call, the preferred type of connection is circuit-switched, otherwise it is packet-switched.

8. (Amended) The method of claim 6, further comprising establishing circuit-switched communications for the mobile station if the packet-switched communications are not established.

9. (Amended) The method of claim 6, further comprising establishing at least one implicit Packet Data Protocol context.

10. (Amended) The method of claim 9, wherein establishing the Packet Data Protocol context includes allocating a predefined Network layer Service Access Point Identifier value.

11. (Amended) The method of claim 9, further comprising establishing at least one implicit Packet Data Protocol context between the mobile station and a support node.

12. (Amended) The method of claim 9, further comprising establishing at least one implicit Packet Data Protocol context between the support node and a Serving Mobile Location Centre currently serving the mobile station.

13. (Amended) The method of claim 9, further comprising establishing at least one explicit Packet Data Protocol context between the support node and a Serving Mobile Location Centre currently serving the mobile station.

14. (Amended) The method of claim 1, wherein the request is received by a Gateway Mobile Location Centre, and the method further comprises retrieving, by the Gateway Mobile Location Centre the location service information via a Mobile Services Switching Centre, which in turn retrieves the location service information via a Serving Mobile Location Centre, directly, if a circuit-switched connection has been established for the mobile station, and, otherwise, indirectly, via a Serving GPRS Support Node.

15. (Amended) The method of claim 14, further comprising sending from the Gateway Mobile Location Centre to the Mobile Services Switching Centre the address of the Serving GPRS Support Node.

16. (Amended) An arrangement for supporting location service information related to a mobile station in a mobile communications system supporting circuit-switched communications and packet-switched communications, the arrangement being configured to:

receive a request from a requesting entity;

retrieve the location service information related to the mobile station; and

provide a response to the request;

determine a preferred type of connection for the retrieving on the basis of a first set of predetermined criteria; and to

perform at least a first attempt via the preferred type of connection.

IN THE ABSTRACT OF THE DISCLOSURE:

Please delete the present Abstract of the Disclosure and replace it with the following new Abstract of the Disclosure.